

AMENDMENTS TO THE SPECIFICATION

Please replace the title with the following amended title:

T CELL RECEPTOR CDR3 SEQUENCES ASSOCIATED WITH MULTIPLE SCLEROSIS AND COMPOSITIONS COMPRISING SAME ~~METHODS FOR DETECTION~~

Please replace the Abstract with the following amended Abstract:

The present invention relates generally to the field of ~~treating autoimmune diseases,~~
~~such as multiple sclerosis (MS), rheumatoid arthritis (RA) and others.~~ Methods of
treating and monitoring multiple sclerosis~~an autoimmune disease~~ by utilizing T-cell
receptors peptides ~~are disclosed.~~ In particular, ~~N~~nucleic acids and peptide sequences
of T-cell receptors found in a population of MS patients are ~~also disclosed~~ provided,
along with compositions comprising such TCR peptides for use in, e.g., vaccines.